

## What Is Claimed Is:

1. A method for digital data transmission from a sensor (PPS) to a control unit (SG), sensor values (20) of the sensor (PPS) being divided for data transmission at different resolutions (24, 25), wherein the sensor values form a first range of values (22, 23) including successive sensor values and the first range of values (22, 23) for data transmission is divided as a function of a variable relevant for the control unit (SG).
2. The method as recited in Claim 1, wherein the variable is a second range of values (22) of threshold values of a triggering algorithm for restraining means, the sensor values in the second range of values (22) being transmitted from the sensor (PPS) to the control unit (SG) at a higher resolution (24).
3. The method as recited in Claim 2, wherein the second range of values (22) is selected from the lower half of the first range of values (20) [sic; (23)].
4. Use of a transmitter module (11) in a sensor (PPS) for executing the method as recited in one of Claims 1 through 3.
5. Use of a receiver module (12) in a control unit (SG) for executing the method as recited in one of Claims 1 through 3.